

524,769

BEST AVAILABLE COPY

10/524769

Rec'd PCT/PTO 16 FEB 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 February 2004 (26.02.2004)

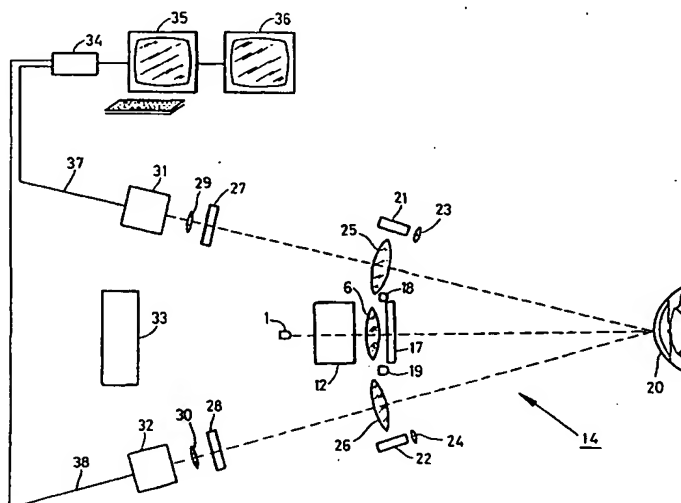
PCT

(10) International Publication Number
WO 2004/016161 A1

- (51) International Patent Classification⁷: A61B 3/107, G01B 11/25
- (21) International Application Number: PCT/NL2003/000566
- (22) International Filing Date: 6 August 2003 (06.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
02078409.6 16 August 2002 (16.08.2002) EP
- (71) Applicant (for all designated States except US): UNIVERSITEIT MAASTRICHT [NL/NL]; Minderbroedersberg 4-6, NL-6211 LK Maastricht (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): JONGSMA, Franciscus, Hermanus, Maria [NL/NL]; Dwarsstraat 2, NL-6235 BX Ulestraten (NL). BRABANDER DE, Johnny [NL/NL]; Doctor Larijweg 39, NL-7961 NM Ruinerwold (NL).
- (74) Agents: DOHMEN, Johannes, Maria, Gerardus et al.; Algemeen Octrooi- en Merkenbureau, P.O. Box 645, NL-5600 AP Eindhoven (NL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: METHOD AND ARRANGEMENT FOR PERFORMING MEASUREMENTS OF THE TOPOGRAPHY OF A SURFACE BY MEANS OF A THERMAL EMISSION FROM THE SURFACE



(57) Abstract: Method and arrangement for performing measurements of the topography of a surface (20), such as topography of an eye surface (20), wherein projecting means (1, 12) for projecting an image onto said surface (20) comprises a projection light source (1), and wherein at least a fraction of light leaving the surface (20) as a result of said projection is received using one or more receiving units (31, 32), such as charged coupled device (CCD) based cameras. The topography of the surface (20) is determined by

O 2004/016161 A1